Garmin Que

GPS navigation software
for Palm OS® powered mobile devices

applications guide
A significant issue is the variance in maximum speaker volume for PDAs of different manufacturers. You may find the speaker volume of your PDA to be compromised by road noise and its location in your vehicle when receiving turn-by-turn voice direction prompts while navigating with Garmin Que. It is therefore recommended that you activate the “Attention Tone” feature to prepare you to listen in advance for each voice prompt. Instructions for activating the “Attention Tone” are found on Page 17 of this Guide. Other remedies may be third party devices that can amplify the speaker volume when connected to the auxiliary speaker port of your PDA. Consult your PDA retailer for information concerning these devices. Touch-screen responsiveness for some Garmin Que operating features may vary from PDA to PDA.
Introduction

Garmin Que™ is designed to use Garmin GPS technology as applications with a PDA to provide you with navigational guidance. Garmin Que is provided with three instructional guides.

Setup Guide

The Setup Guide gives you software installation instructions, and other important details. Before reading the other manuals, read the Setup Guide which is included with the Installation CD.

Quick Start Guide

The Quick Start Guide tells you how to get started navigating with a convenient reference for basic features. You can carry this with you as a quick reminder of how features operate and how to access them. The Quick Start Guide is printed on the reverse side of the Setup Guide.

Application Guide

This Application Guide describes, in detail, how to use the Garmin Que™ application for navigation. Included on the setup CD, this document is in portable document file (pdf) form, it can be printed from a PC as a paper copy which may be of benefit when you take your device outside to navigate. (Available only on the setup CD and the Garmin website: www.garmin.com.)

Editor’s Note:

The above manuals and guides were created using the Garmin Que operating software installed on a PDA equipped with popular features and operating with the various versions of Palm OS® v 5. If your make and model PDA meets the requirements stated on the product packaging, it should operate in a manner similar to that described in these guides, but may not include some features discussed in the applications guide. Many PDA features described in this guide are not essential to operation of Garmin Que and are used primarily as convenient alternate methods of operation.

It is also important that you understand the operation of your PDA prior to using Garmin Que. The operation of the Garmin Que application requires understanding of standard procedures used for the PDA that are not discussed in detail in the Garmin Que Application Guide. If you purchased your PDA at the same time as the Garmin GPS receiver and are not yet familiar with its operation, it is recommended that you learn how to operate the PDA first.

About Garmin Que Setup

Once installed on your PDA and in communication with the remote GPS receiver, QueSetup can be accessed from the PDA applications launcher. The QueSetup page provides you with the Que Software version, the remote GPS receiver i.d and version numbers, and Uninstall and Reinstall buttons. Uninstall removes the Que applications completely, while Reinstall prepares for the PDA for upgrades or reinstallation without removing existing voice files or the waypoints list.
# Garmin Que™

## Introduction

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You may customize Garmin Que to fit your needs, such as selecting the units of measure, map orientation, map detail, routing preferences and others. For now, the Que default settings should be adequate for learning how to use the applications with the exception of the units preferences explained in this section. Information on customizing each of the various Que applications is explained in the sections describing each Que application.

**Connecting to the GPS Receiver**

The wireless GPS receiver must be turned On and communicating with the PDA via Bluetooth wireless technology. It also must initialize (determine its location) before you can begin using it for navigation. When the receiver initializes for the first time it may take as long as 15 minutes. This time can be shortened by using the GPS application to select the general area in which you are currently located (see page 2). Anytime you have traveled more than 600 miles with the GPS receiver turned off, the receiver must again find its location by re-initializing.

If for any reason, you have difficulty initializing your receiver, refer to the Troubleshooting Guide on page 21. The solution could be as simple as moving the receiver slightly to avoid buildings or objects that are blocking or deflecting satellite signals. When operating on battery power, the PDA normally turns off after the last key press to save power. When connected to the GPS receiver it actually switches to low-power mode maintaining communication with the GPS but turning off the display. Press the Power button to re-activate the display.

**To turn the receiver on and initialize it:**
1. Turn On both the GPS receiver and your PDA to establish a connection.
2. Make certain the receiver’s view of the sky is unobstructed.
3. Access QueGPS from the Applications Launcher.
4. Observe the following GPS receiver status indicators on the GPS page:
   - Current satellite reception information:
     - While establishing a link with the GPS receiver a “Connecting to GPS” message displays.
     - When the GPS receiver is on and searching for satellite signals, the message “Acquiring Satellites” appears.
     - When only enough satellite signals are being received to determine a 2D location, “2D GPS Location” displays.
     - When enough satellite signals are being received to establish a location fix, a “3D GPS Location” message displays.
     - When the GPS Receiver is turned off, a “GPS Off” message displays.
   - The location and numbers of overhead satellites.
   - Your current location coordinates.
   - The current date and time.
   - Your current speed.
   - Your approximate elevation.
   - The accuracy at which your location has been fixed.
   - The signal strength of each satellite being received.
   - The battery capacity, indicates power reserve when the GPS receiver is not connected to an external power source.

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**Initialization of the GPS Receiver**

Start Up

You may customize Garmin Que to fit your needs, such as selecting the units of measure, map orientation, map detail, routing preferences and others. For now, the Que default settings should be adequate for learning how to use the applications with the exception of the units preferences explained in this section. Information on customizing each of the various Que applications is explained in the sections describing each Que application.

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   - The location and numbers of overhead satellites.
   - Your current location coordinates.
   - The current date and time.
   - Your current speed.
   - Your approximate elevation.
   - The accuracy at which your location has been fixed.
   - The signal strength of each satellite being received.
   - The battery capacity, indicates power reserve when the GPS receiver is not connected to an external power source.
To set your location in order to speed GPS satellite acquisition:
1. Press the Menu Key or tap the QueGPS tab to display the Options Menu.
2. Tap ‘New Location’ to display options for determining your current location.
3. Choose from Automatic, Use Map, or Cancel.
4. If you choose Map, use the stylus to tap your approximate location on the map and then tap Done.

Customizing the Que Units Settings

Before using the Que applications to navigate, you may want to set the units to an appropriate type of measurement for your location or navigation activity.

To change the units settings:
1. From the Applications Launcher screen, tap the Prefs icon to display the Preferences Menu.
2. Under the ‘Other’ category tap Que to display the preferences for Que.
3. Tap the ▼ under the Preferences tab to display list of Que Preferences.
4. Select Units to display the Units settings for Distance and Speed, Elevation, Depth, and Direction values.
5. Tap the ▼ beneath each unit category to display the list of measurement options for each and select your desired unit.
6. When finished, tap Done to return to the Preferences Menu.

Customizing the GPS functions

Before using the Que applications to navigate, you may want to set the remote GPS Receiver settings for features that can be controlled from the PDA.

Connect to GPS - placing a check in this box connects the PDA via Bluetooth wireless technology to the GPS 10 receiver when the PDA is powered On.
WAAS Enabled - placing a check in this box enables Wide Area Augmentation System for increased accuracy.
Auto Power On - allows the GPS 10 to automatically power on when power from an external source is applied.
Auto Power Off - allows the GPS 10 to power off when communication with the PDA has been lost for 15 minutes.
Using the Hard Buttons to access Garmin Que applications

Before using the Que applications to navigate, you may want to assign one or more of the Que applications to launch from a hard button.

To assign a Que application to a hard button:
1. From the Applications Launcher screen, tap the Prefs icon to display the Preferences Menu.
2. Select Buttons to display the Buttons Options Menu.
3. Select a button position with a ▼ and tap to display the pick list of assignment options.
4. Tap the desired function from the pick list to assign it to the button selected in step 3.

Note that the button descriptions and options available may vary from PDA to PDA. Mobile phones with Palm OS offer a different array of buttons than most PDAs and those that can be reassigned are different as well.

Using the Arrow Button to access Garmin Que features

Many PDAs have a four or five position button used for scrolling lists, etc. For our purposes we will refer to this button as the Arrow button. You can use this button to operate many of the Garmin Que navigation features with a Que application active.

To change the Map Scale on the Map Page:
With the Map Page displayed, press the Top or Bottom of the Arrow Button to increase or decrease the map scale. Hold the button down to quickly change the scale. Observe the map scale in the lower right corner of the map to determine the desired scale.

To scroll any list:
With an entry on the list highlighted, press the Top or Bottom of the Arrow Button.

To cycle through the Que Applications:
Press the Left or Right Arrow Button.

To listen to spoken navigation instructions or status messages:
Press and hold the Left or Right Arrow Button.
The QueMap application displays a detailed map of the area surrounding your current location. It allows you to pan the map with the stylus as well as view your progress when navigating. Your current location is shown as a solid black arrow. As you travel to the edge of the display, the map moves (redraws) to constantly show your current location. When in the “Track Up” mode, a north reference arrow appears at the top left corner to orient the map. Use QueMap to:

- Determine your current location and view your movement
- Locate and navigate to nearby map items
- Follow a route line when navigating
- Highlight and view information about locations on the map

**To Display the QueMap Application:**

There are three methods to open the QueMap Application.

- Press the Hard key you have assigned to the Que applications.
- Use the Left or Right Arrow keys to cycle through the Que applications until you reach QueMap.
- Use the Applications Launcher and tap the QueMap icon.

**Viewing the Map Page**

The Map Page is the primary screen of the QueMap application. From this page you can observe a triangular arrow that indicates your current location and direction of travel. As you move, the arrow moves with you, turning when you turn and stopping when you stop. When zoomed in the accuracy of your location is indicated by an Accuracy Circle. The smaller the circle the more accurate your location.

The Map also displays detailed geographic information such as highways and roads, lakes and rivers, cities, waypoints and residential streets, depending on the detail of map data being used. Detailed maps can be loaded from map data CD’s using the Map Install feature as explained in the “Downloading Map Data” section of this guide.

There are two map orientation options: North Up and Track Up. North Up orients the map like a paper map, while Track Up orients the map in the direction of travel and can be set to display only below a desired map scale. As you travel to the edge of the display, the map moves (redraws) to constantly show your current location. When using “Track Up”, the North arrow indicates the map orientation.

When the ‘Pan Map with Stylus’ mode is selected, drag the stylus across the screen to pan the map with the movement of the stylus.

Tap the stylus on the map to place a map pointer on any selected location on the map. If that location is supported by detailed mapping data, a description briefly displays. Any point on the map can be saved as a waypoint by tapping the Waypoint marker flag in the map toolbar.

The map color can automatically compensate for the difference in day and night lighting conditions. See “Using Preferences for QueMap”.

The map scale can be changed to show more map area with less detail or more map detail with less area (zoom out and zoom in). Press the Up and Down keys on the front of the unit to increase and decrease the scale in single increments. To select a specific scale, use the Map Scale Selector shown at the top of this page.
Using the QueMap Application Selector Icons

With QueMap displayed, tap the desired selector to activate the feature as described below:

- **Tap the Display Format icon** on the map toolbar to toggle between three options of displaying and hiding the navigation data fields.

- **Tap the Waypoint Flag on the map toolbar** to display the ‘Mark Waypoint’ entry window for your current location (Position Arrow) or a ‘New Waypoint’ entry window for the Map Pointer. The window displays a name describing the location if identified as an item in the map data or as Waypoint 1, 2, 3, etc.

- **Tap the Information icon** to display information about a location identified by the Map Pointer on the Map Page. When tapped, an information window displays describing the location if identified as an item in the map data or position coordinates (i.e. lat/lon).

- **Tap the Position Arrow icon** (vehicle pointer) to center the map on your current location when in North Up mode. When in Track Up mode, the map is centered horizontally on your location.

- **Tap the Pan Map icon** to allow the stylus to drag the map and to mark map items with the map pointer (Panning Arrow).

Place the stylus anywhere on the map and then move the stylus. The map moves with the stylus and exposes the part of the map previously out of view. Lift the stylus to stop panning. To recenter your location on the map, tap the Position Arrow icon.

- **Tap the View Area icon** to allow you to define an area on the map with the stylus that will be enlarged when you lift the stylus from the screen. Select a point adjacent to the area you want to enlarge and then drag the stylus to create a box around the area. Lift the stylus to complete, allowing the map to redraw. When the View Area Selector is active the Pan Map feature is not usable.

- **Tap the Map Scale icon** to display the list of map scales. Drag the arrow to scroll through the entire list of scales. Tap the scale you want and the map will display at that scale.

Using the QueMap Que Menu

With QueMap active, tap the Menu icon to display the Que Menu.

**To create a route to a map point:**
Use the stylus to identify a point on the map, then tap Route To.

**To measure the distance between two points on the map:**
1. Open the Que Menu and tap Measure Distance to view the Measure Distance Page.
2. To measure from your current location to a point on the map, use the stylus to tap that point. A dotted line connects the two points and the distance displays below.
3. Tap the Map Pin icon to connect two points other than your location.
Using Preferences for QueMap

Use Maps Preferences to:

- Reduce “Map Clutter” by controlling the detail of how items are displayed.
- Set the maximum Zoom scale at which map items display.
- Control the display of multiple map features.
- Determine Map orientation.

The factory (default) settings for these preferences allow you to operate the QueMap application with confidence. As you become more familiar with its operation, you may desire to customize the application to fit your needs. Tap the Help button for detailed definitions of the map preference options.

To view the QueMap Preferences:

1. From the QueMap application, tap Menu icon.
2. Tap Preferences.
3. View and change the preferences as needed. To open a different QueMap Preferences page, such as the Navigation Preferences, tap the ▼ symbol before “General,” as shown to the left.

Each preference window is provided with a Help button to explain preference settings in detail. These pages provide an overview of the preferences available. For more information about Heading, Course, and Bearing lines, consult the Garmin website at www.garmin.com/aboutGPS/.

Detailed map information preferences can be set to display selected detailed maps stored in the unit or on a Secure Digital (SD) or Multimedia Card (MMC). See the “Downloading Map Data” section in this guide for more information on detailed map procedures.

The Miscellaneous preference options provide check boxes to allow you to turn on or off some features as you prefer. You may want to experiment with such features as Auto-Zoom (sets the maximum scale for display of map items in conjunction with the map detail setting), Accuracy Circle (defines your location within the confines of the circle. Circle size is determined by map resolution and GPS receiver accuracy), and Basemap to determine your preferences.

Location Formats and Map Datums

While Location preferences are not a part of Map Preferences, you may want to reset them to match those on paper maps that you plan to use in conjunction with GPS navigation.

To view the Location Preferences:

1. Tap the ▼ symbol before “Maps”.
2. Tap Location to open the Location Preferences window.
3. Change the Location Format and/or Map Datum as necessary.

You can display position coordinates using specific formats and datums selected from the Que Preferences, Location options. For a brief description about these preferences, tap the Help button. Detailed information about using formats and datums can be found in the “Appendix” of this guide.
Marking your current location as a waypoint

To mark your current location as a waypoint:
1. Use the stylus to tap the Waypoints icon (flag) at the base of the map. Be certain the pointer arrow is not displayed or the location on the map marked by the arrow is saved as the waypoint.
2. The Mark Waypoint window is displayed with the waypoint automatically named as “Waypoint”. (Each subsequently marked waypoint will be named “Waypoint 1, 2, 3”, etc.)
3. Rename the waypoint to one more descriptive of your location as explained at the bottom of this page.
4. To save the waypoint to the Waypoint List, tap OK.

To save a point on the map as a waypoint:
1. With the Map displayed, use the stylus to tap a desired location on the map which causes the map pointer to display. If the point on the map where you tapped has descriptive information in the map database, it displays for six seconds.
2. Once the map pointer is at the desired location, tap the Waypoint Flag at the bottom of the map to display the ‘New Waypoint’ window.
3. Observe that the ‘New Waypoint’ window has named the location as an address, intersection, or named map item if supported by data in the map database. If not supported, it names the location as Waypoint 1, 2, 3, etc.
4. Rename the waypoint.
5. If the point on the map is an address, checking the “Include Address Data” option copies the address information to the new waypoint.
6. To relocate the waypoint on the map, tap Edit.
7. To save the waypoint to the Waypoints List, tap OK.

To rename the waypoint and view details about it:
1. From the New Waypoint window, tap the Edit button to display the Waypoint Map page which shows the waypoint on the map.
2. Tap the second icon at the bottom of the page to display the Details page. Enter a new name for the waypoint, add a phone number, etc.
3. Tap the third icon to display the Location page. Here you can change its map symbol, move its location and enter an altitude value if known.
Using QueFind

The QueFind Application displays lists of geographic points in the map database and downloaded detailed maps.

Use the QueFind application to achieve one of the tasks listed below:

- Use existing lists of map data items such as Waypoints, Cities, and Points of Interest to find desired destinations and navigate to them using the QueRoutes application.
- Find items contained in the map data and in the Address Book.
- View details about items, such as addresses and telephone numbers.
- Find an item to use as a destination for a route.

To open the QueFind Application:

There are three methods to open the QueFind Application.

- Press the Hard key you have assigned to the Que applications.
- Use the Left or Right Arrow keys to cycle through the Que applications until you reach QueFind.
- Use the Applications Launcher and tap the QueFind icon.

Once the QueFind application is displayed, tap the icon of the category in which you want to find items.

To select and view an item from a QueFind Category:

1. Once you have selected a category from the display of Find icons, the Find Items List is displayed.
2. You may choose a search method for an item. If the map pointer is present on the map page, Near Map Pointer is available to allow you to search for items near the map pointer. If on an active route, Near Route Destination and Near Current Route are available.
3. You can shorten your search list by entering the name of the item at the top of the page in the “Name” or “Containing” field.
4. When the list is displayed, highlight a single item.
5. Then tap Details to display an information page that provides a map showing the item location, the distance from your current location, the item name along with item type, address and phone number (if available). Tap Done to return to the list or the Save Waypoint button to save it on the Waypoints list.
6. Tap Route To to generate a route to this item.
7. Tap Done to return to the previous QueFind page.
Finding a City

To select a city from the Cities List:
1. Tap the QueFind icon then tap Cities to view the Cities List.
2. Choose a search method by selecting from ‘Near Current Location,’ ‘By Name,’ or ‘Near Other’ options.
   If the map pointer is present on the map page, ‘Near Map Pointer’ is available to allow you to search for cities near the map pointer. The Near Other option allows you to designate a map item and then search for cities near that item. Tap the Menu button to display the drop down options list where can use either the Que basemap or downloaded detailed maps to find a city. Tapping ‘Find Near Selected Item’ displays only cites near a map item of your choice.
3. Shorten your search list by entering the name of the city at the top of the page in the ‘Name’ or ‘Containing’ field.
4. When the list is displayed, highlight a single city.
5. Tap the Details button to display an information page that provides a map showing the city location on the map, the distance from your current location, and city name along with state and country information. The title of the page identifies the size category of the city (if that information is available). Tap the Done button to return to the list or the Save Waypoint button to save it as a waypoint on the Waypoints list.
6. With the city highlighted on the list, tap Route To to generate a route to it.
7. Tap Done to return to the previous QueFind page.

Finding an Address

To find an address:
1. From the QueFind application, tap the Addresses icon to display the Addresses page.
2. If you know the region (state, province), city, or postal code of the address, enter them now to limit the search results and the choice of street and city names.
   To enter the regions, city or postal code, tap the selector trigger, then tap an item in the list. If you select a city, the region field is hidden; to show the region field again, tap the city name and tap the Use All button at the bottom of the ‘Select City Name’ dialog box.
   To again search all regions or postal codes, tap on the region or postal code selector trigger and then tap the Use All button at the bottom of the dialog box.
3. Enter the desired street number in the ‘Number’ field.
4. Tap the street field to display the ‘Select Street Name’ dialog box. Begin entry of the street name. When the desired name of the street is displayed, tap it to place it on the page.

Street names are entered and selected using only the body of the street name. For example, if the street portion of the address you are finding is “E. Main St”, enter only “Main” and select “Main” from the list. Likewise if the street portion of the address is “N 13th Ave” enter only “13th” and select “13th” from the list.

Tap the Prefix/Suffix button to display options for the street prefix and suffix. If there is no prefix or suffix to be added, select None. After you have made your selections, tap OK to return to the QueFind Addresses page.

5. Tap the Search button to display the list of matches.

Finding an Intersection

To find an intersection:

1. From QueFind, tap the Intersections icon to display the Find Intersections page.

2. If you know the region (state/province), city, or postal code of the address, enter them now. These will be used to limit the search results, as well as limit the choice of street and city names.

To enter the regions, city, or postal code, tap the field and tap an item in the list. If you select a city, the region field is hidden. To show the region field again; tap the city name and tap Use All.

To again search all regions or postal codes, tap the region or postal code field and then tap Use All.

3. Tap the ‘Street 1’ field to display the ‘Select Street Name’ dialog box. Begin entry of the street name. When the desired name of the street is displayed, tap it to select it.

Street names are entered and selected using only the body of the street name. For example, if the street portion of the address you are finding is “E. Main St”, enter only “Main” and select “Main” from the list. Likewise if the street portion of the address is “N 13th Ave” enter only “13th” and select “13th” from the list.

Tap the Prefix/Suffix button to select the remainder of the street name if applicable.

4. Repeat the step above for the second street (Street 2).

5. When the two fields are completed, tap the Search button to display the list of matches.
Finding Points of Interest
The amount of information available in the Points of Interest category is so extensive it is divided into smaller categories to refine your search.

To use QueFind Points of Interest:
1. Tap the QueFind icon to display the QueFind application.

   NOTE: The categories “Manmade Places” through “Tides” are specific to only certain types of detailed maps (other than City Select). These types of maps must be purchased separately. Consult your Dealer or the Garmin web site (www.garmin.com) for information about map options.

2. Tap the desired category to display the list of items in that category or the entry dialog for Addresses or Intersections.

3. If you selected a category with a list, you are given a choice of displaying items by name or only those near your current location. You can further refine your search by selecting a sub-category from the “All-Types” list.

4. Tap the desired subject to display the refined list.

5. With the list displayed, highlight a single Point of Interest item.

6. Tap Details to display an information page showing a location map and detailed information about the item.

7. After you have viewed details about a Find item, that item is added to the Recently Found Places list to simplify the process for reviewing. To review an item, tap Recent Finds to display the list.

Using Waypoints
A waypoint is a location that has been saved, such as your home or school. Any QueFind location can be saved as a waypoint.

To learn specific information about saving a location as a waypoint, refer to the instructions on the following page.

To find a waypoint using QueFind:
1. Tap the QueFind icon, then tap the Waypoint icon to view the Waypoints List. To narrow the list, tap the icon under the QueFind tab to display those waypoints nearest your location.

2. To view information for a highlighted waypoint, tap Details. To create a route to a waypoint, tap Route To.

3. Tap Done to close.
QueFind

To edit a waypoint using the Waypoints List:
1. Launch the QueFind Application then tap the Waypoint icon to view the Waypoints List.
2. Tap the waypoint to highlight it and then tap Details to display the first of three details pages, the Waypoint Map page.
3. Tap the second icon at the bottom of the page to display the Waypoint Information page. The text entries on this page can be edited, such as entering a phone number or changing the waypoint name.
4. Tap the third icon to display the location information page where you can edit the waypoint symbol, the location and altitude.

To edit a waypoint Symbol:
1. From the Location Information Page tap the Symbol selector to display the ‘Select Symbol’ list.
2. Scroll through the list until you find the symbol that you want to associate with the waypoint.
3. Tap the desired symbol and then tap OK to assign the symbol.
4. Tap OK to use the selected symbol or Cancel to keep the current symbol.

To change the location of a waypoint:
1. From the Location Information Page tap the Location selector to display the ‘Edit Location’ window.
2. Tap Find to use QueFind to find a new location for the waypoint. Select a Find map item and then tap OK to assign it as the new location.
or...Tap Map to display the Map Page that allows you to tap anywhere on the map and designate it as the new location. A dotted line connects the new location with the old and the word “MOVE” appears below the map pointer. Tap Done to complete the move.

To change the altitude of a waypoint:
1. From the waypoint Location Information Page, highlight the Altitude entry. Enter a new altitude if you have a reliable source for determining the altitude for that location.
2. To enter a negative altitude, tap the Arrow beside Altitude to select the negative symbol.

Waypoint Information Page

Location Information Page

Waypoint Symbol List

Edit Location Options

Moving a waypoint on the Map
Overview

QueFind

To select a waypoint as a Route Destination using QueFind:
1. Tap the QueFind icon.
2. Tap the Waypoint icon to view the Waypoints list.
3. Highlight the desired waypoint and tap Route To.
4. Observe the route on the Map Page.

To dial the phone number of a Point of Interest or Waypoint:
(Requires a PDA with integrated phone)
1. Tap the QueFind icon.
2. Tap the Point of Interest category icon or the Waypoint icon to view the list of items.
3. Highlight the desired item and tap Details.
4. If there is a phone number in the Phone field of the Details page and your PDA includes an integrated phone, press the phone Dial button.
5. You are then prompted to confirm that you do want to dial the number.
6. Select Yes to dial and if the phone is turned off, select Yes when the “Phone is off” message appears.
7. You can also dial the number using the stylus and the ‘Dial’ option from the Detail page drop-down menu.

To delete a waypoint:
1. From the Waypoints List page, highlight the waypoint you want to delete.
2. Tap the Menu button to display the drop-down Waypoints List Options Menu.
3. Tap the “Delete Waypoint” option. Tap “Yes” when the delete prompt appears. The waypoint is removed from the Waypoints List.
Using QueRoutes

QueRoutes is an application that provides you with a graphic route line, plus graphic and voice turn-by-turn directions to a chosen destination. You can select a destination from any of the QueFind application categories and the QueMap application. QueRoutes functions primarily as a route management tool once you have selected a destination.

Use the QueRoutes application to:

- Recalculate the route to your current destination.
- Add stops or new waypoints (vias) to customize your route.
- Save specific routes for use at a later date.
- Set the preferences for routing.
- Stop and resume navigation of an active route.

To access the QueRoutes Application:

There are three methods to access QueRoutes.

- Press the hard key you assigned to the Que Application to access the QueRoute Applications.
- Press the assigned hard key repeatedly to cycle through the Que Applications until the QueRoutes application displays.
- Use the Applications launcher to access the Que Apps page and then select QueRoutes.

Creating Routes

To begin a route all you really need is a destination. A route can be activated from QueFind or QueMap.

To use QueFind to select a destination:

1. Select an item from any of the QueFind application search categories. Refer to the “QueFind” section of this manual for detailed instructions on searching for items.
2. Tap the Route To button at the bottom of the page.
3. The QueMap application is displayed and a “Calculating Route” animated graphic is displayed in the bottom left-hand corner of the map. When the map displays the route in magenta, the route is “active”.
4. Follow the voice prompts and turn preview pages to navigate to your destination.
Using QueMap to Select a Destination
You can create a route to any place on the map by using the stylus to place the map pointer on a location that you want to use as a destination.

To select a destination:
1. Tap the QueMap icon to display the Map.
2. With the stylus, tap the location on the map that you want to use as a destination.
3. Tap the MENU icon to display the QueMap options menu.
4. Tap the Route To... option.
5. A “Calculating Route” animated graphic is displayed in the bottom left-hand corner of the map. When the map displays the route in magenta, the route is “active”.
6. Follow the on-screen directions, voice prompts and turn preview pages to navigate to your destination.

Using a Detour
To avoid an area of traffic congestion or other obstacles on a route, you can use the “Detour” option to alter the route to avoid the roads used in the current route for a specific distance.

To use the “Detour” option:
1. Tap the QueRoutes icon.
2. Tap the Detour option.
3. Tap the distance to avoid roads used in the current route.
4. Tap OK to activate the detour.
5. To cancel a detour, select the “Cancel Detour” icon from QueRoutes.

Stopping and Resuming Route Navigation
You can stop navigating a route at any time.

To Stop or Resume route navigation:
1. Tap the QueRoute icon to display the ‘QueRoutes’ dialog box.
2. Tap the Stop Navigation icon to remove the route overlay from the ‘Map’ page. This also stops voice prompts and turn preview pages.
3. Start navigating again by tapping the Resume Navigation icon from the ‘QueRoutes’ dialog box.

You can also ‘Recalculate’ a route at any time during navigation by tapping the ‘Recalculate’ icon from the QueRoutes Application.
Customizing a Route

You are not limited to using a newly created route as is: You can modify it to meet your own requirements. To alter the path of travel to include various points on the way to the destination, select “Edit Vias” from the QueRoutes application.

To add or change Route “Vias”:
1. While a route is active, tap the QueRoute icon to display the ‘QueRoutes’ dialog box.
2. Tap the Edit Vias icon to display the Edit Vias page.
3. Select the method of adding a via point from the options shown at the bottom of the page. “From Find” displays the QueFind application. “From Map” displays the QueMap application.
4. Use the same method to select a via point as you would a destination, the selected location now becomes a point along your current route.
5. You can move the selected via point anywhere in the list by tapping the Up/Down arrows.

Saving a Route

Once you have created a route to a destination, while it is still active, you can save it to the “Saved Routes” list for re-use at a later date.

To Save a route:
1. With a route active, tap the QueRoute icon to display the ‘QueRoutes’ dialog box.
2. Tap the Saved Routes icon to display the Saved Routes List.
3. Tap the Save Active button at the bottom of the page.
4. A “Save Active Route” dialog displays the route name. Rename the route if desired and then tap OK to save it to the Saved Routes List.
5. To view details about any saved route on the list, tap the route name on the list then tap the Details button to display the ‘Saved Route Details’ dialog.
6. Tap OK to close, Activate to begin navigation on that route, or Delete to remove it from the Saved Routes List.

When you select a Saved Route to navigate, the route is recalculated beginning from your current location.
Route and Guidance Preferences

To set routing preferences:
1. Tap the QueRoute icon to display the ‘QueRoutes’ dialog box.
2. Tap the Route Preferences icon to display Route Preferences.
3. Tap the ▼ icon beneath the ‘Route Preference’ option to display and select from three options. The ‘Off Road’ option generates a straight line to your destination, not following roads.
4. Tap the ▼ icon beneath the ‘Calculate Routes For’ option to display and select from a list of transportation options.
5. Tap the box next to the ‘Avoid’ options to toggle a check mark and activate that option.

To set guidance preferences:
1. Tap the QueRoute icon to display the ‘QueRoutes’ dialog box.
2. Tap the Route Preferences icon. Tap the ▼ icon preceding ‘Routing’ to display the list of other options. Select ‘Guidance’.
3. Tap the ▼ icon beneath the ‘Off-Route Recalculation’ option to display and select from four options for recalculation notification. Tap Help for definitions.
4. Tap the ▼ icon beneath the ‘Turn Preview’ option to display and select from a list of methods for turn notification. Tap Help for definitions.
5. Tap the ▼ icon beneath ‘Voice Prompt’ to select voice guidance. Tap Help for definitions.
6. Toggle the ‘Attention Tone’ box for audible notification of route changes. Tap Help for definitions.

Using Routing Voice Prompts

Once you have created a route to a destination you can begin navigation. In addition to a graphic in the QueMap application and “pop-up” turn displays you will be given voice prompts prior to turns and points on your route. While navigating a route, you may need to adjust the volume to compensate for road noise, etc.

To adjust voice prompt volume:
1. Select the Volume menu item from any Que application.
2. Adjust the Guidance volume slider to a level appropriate for overcoming environmental noise.
3. Tap Done when completed.

To listen to a turn voice prompt or GPS status message at any time, hold the left or right Arrow key on the PDA when on the main page of any Que application.
Using QueTurns
QueTurns is an application that can show you a list of turn-by-turn directions to a destination. The application is active only when a route is active.

Use QueTurns to:
- View the turns you will take while navigating the route.
- View the Turn Preview for an individual turn.

To open the QueTurns Application:
There are three methods for accessing QueTurns.
- Press the Hard key you have assigned to QueTurns.
- Use the Left or Right Arrow keys to cycle through the Que applications until you reach QueTurns.
- Use the Applications Launcher and tap the QueTurns icon.

If you are actively navigating a route, a list of turns that you will take while navigating that route is displayed.

Each turn entry provides a direction arrow showing the direction to turn and the distance to that turn, plus written instructions. The time to the next turn is displayed at the top right of each turn entry and the time of day which you will reach that turn is displayed at the lower right of each turn entry.

Tapping a turn on the list displays a ‘Turn Preview’ page for that turn.

PDA Low-Power Mode
When your PDA is linked with the remote GPS receiver and connected to external power, the PDA remains on. However, when your PDA is using its battery, it enters a low-power mode and the display turns off after the time set for auto-off expires. When you are actively navigating a route, you can still hear voice prompts and see Turn Preview pages display before each turn in the route. If your PDA includes an LED, it flashes occasionally, while in low-power mode, to indicate communication with the GPS receiver.

Pressing the Power button when in low-power mode turns the PDA on. Pressing the Power button when the display is on turns the PDA off.

If the connection between the GPS and PDA is lost, both units auto-power off at the end of their pre-set time out periods.

When the “Connect to GPS” preference is enabled and your PDA is turned on, it attempts to connect to the GPS receiver. To disable the connection, use the drop-down menu for any Que application and select “Disconnect from GPS.” To cause the PDA to re-connect with the GPS receiver, you must once again enable the “Connect to GPS” preference, using the Que applications drop-down menus. If the connection has been disabled for more than fifteen minutes, you must also turn the GPS receiver back on.

You can also adjust the “Connect to GPS” preference from the GPS preferences application.
Using Map Install to Download Map Data

Map Install allows you to download detailed mapping data to the Palm OS handheld or a Secure Digital Card. When detailed maps are installed, Que applications, like QueFind, can provide a broader range of information about the geographic area in which you are navigating. If you do not install detailed mapping data, you will only have access to the information contained in your Que Application’s basemap.

To download maps:
1. You must have first installed the Detailed Map Data CD’s on your PC. Refer to the Que for Palm OS Setup Guide.
2. Open Palm™ Desktop and click the Map Install icon to your left at the edge of the ‘Palm Desktop’ window.
3. Read the information on the ‘Welcome’ window. It will help to determine your next step. For certain maps (like those provided with your new unit) you must use an Unlock Code to open the map data. You may have already entered the Unlock Code during the setup process and you can move to the next InstallWizard page.
   If not, use the sheet of paper packaged with your GPS unit that contains the code. Click the appropriate Unlock Code button to open the dialog box and follow instructions on each page that follows.
4. When finished with the UnlockWizard a “Select Device” window appears. Select the desired device for receiving downloaded map data (iQue with your Palm OS device “username” attached) and the map data storage location from the drop down list, then press ‘Next’ to move to the map selection window.
5. In the map selection window, select a map region to download to your unit. Use the map selection tool to click on the map areas that you want.
6. Click Next to move to the ‘Finish’ window. A “Sending to iQue” window displays and automatically closes when the map data has been sent.

The next time you perform a HotSync® operation, the map data will be moved to the Mobile Device Storage or Secure Digital Card.

Using MapSource® to Download Map Data

If you own or intend to purchase additional Garmin MapSource products (other than those provided with your Palm OS handheld), you may need an unlock code to install some of these additional MapSource products. Follow unlock instructions provided in the Garmin Que for Palm OS Setup Guide.

The MapSource operating software (version 5.4 and above) can be used to download maps to the PDA internal storage or a Secure Digital Card. When using the “Save To Device” feature on MapSource download maps, select the ‘Que’ option to display the “Save To Que” dialog window. In the ‘Que Settings’ portion of this window, select a Location of either ‘Internal Storage’ or ‘Secure Digital (SD) Card’ and then click Send.

Note: The next time you perform a HotSync® operation the map data from either type of download is transferred to the Palm OS handheld.

When downloading maps, be certain to check the amount of free space available on the card to be certain there is sufficient space for the new maps. Open the Card Info application to view the available space information.
**Garmin Que™**

**Additional Information**

**Specifications**

**Internal System**

**Operating System:** Palm OS v 5

**Application Software**

**Garmin “Que”:** GPS Info, Electronic Mapping, Automatic Route Generation, and Turn-By-Turn Voice Guidance

**Moving Map Features**

**Basemap:** Routable basemap contains state and country boundaries, lakes, rivers, streams, airports, cities, towns, coastlines, state and interstate highways, local thoroughfares and secondary roads within metro areas

**CD-ROM:** Accepts downloadable map detail from Garmin PC-based MapSource City Select™ and City Navigator™ CD-ROM’s which provide street-level detail, addresses, listings of nearest restaurant, hotels, ATMs and more. Accepts most other MapSource map data as well as U.S. Topos and Marine charts

**Navigation features**

**Routes:** Automatically calculated with turn-by-turn instructions; using built-in basemap, routes include interstates, highways and major thoroughfares; with detailed data from CD-ROM, routes include residential street-level detail

Specifications are subject to change without notice.
**Garmin Que™ Additional Information**

If you encounter operational problems that you cannot solve using this guide, first determine that they are not related to operation of your PDA, then:
Contact Garmin Product Support at 913/397.8200 or 800/800.1020

## Troubleshooting Guide

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<tr>
<th>Symptom</th>
<th>Probable Cause</th>
<th>Remedy</th>
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<tr>
<td>GPS Signal Related Problems</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&quot;No GPS Connected&quot; message.</td>
<td>Connection to GPS receiver or PDA not active.</td>
<td>Use Que Prefs or the Que menu to connect to the GPS receiver.</td>
</tr>
<tr>
<td>&quot;Connecting to GPS&quot; message stays on.</td>
<td>GPS receiver is not turned on.</td>
<td>Turn On receiver. Connect power source or charge battery. Relocate closer to the PDA.</td>
</tr>
<tr>
<td>&quot;Acquiring Satellites&quot; message stays on.</td>
<td>GPS receiver is not powered.</td>
<td>Wait for data to be collected.</td>
</tr>
<tr>
<td>&quot;Lost Satellite Reception&quot; message appears repeatedly.</td>
<td>GPS receiver cannot maintain a constant signal.</td>
<td>Move to location with less interference. Relocate antenna for best reception.</td>
</tr>
<tr>
<td>Cannot achieve reliable satellite signals when the GPS receiver is mounted on my auto dash.</td>
<td>Some auto windshields are tinted using a thin metallic coating to reflect ultraviolet sun rays.</td>
<td>Most vehicles with this type windshield block satellite signals as well. GPS receivers will not operate inside the vehicle. Relocate the GPS receiver away from the radio or turn off the radio when using the Garmin Que to navigate.</td>
</tr>
<tr>
<td>With the receiver on my auto dash, the satellite signal reception is weak.</td>
<td>Car radios and CD players can generate electrical fields that can interfere with satellite signals.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Map Messages at Startup or Card Insertion</th>
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</thead>
<tbody>
<tr>
<td>&quot;Can’t Unlock Maps&quot;</td>
<td>You must enter the unlock code during MapSource installation.</td>
<td>Follow installation instructions on the setup CD-ROM.</td>
</tr>
<tr>
<td>&quot;Detailed Maps Don’t Support Routing“</td>
<td>These maps are not the type used for auto-routing.</td>
<td>Select maps designed for auto-routing.</td>
</tr>
<tr>
<td>&quot;Too Many Maps on Data Card“</td>
<td>The map sets you are trying to load are too large for the space available in the storage location.</td>
<td>Check the space available in the chosen location and choose another location with enough space or reduce the map set size.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Map Data Related Problems</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>No Find Feature items listed for “By Name” options.</td>
<td>Maps that support that option are not installed from MapSource.</td>
<td>Open MapSource and select maps from City Select version 6.5, save to Garmin Que.</td>
</tr>
<tr>
<td>“None Found” message when accessing the Man made Places, Water Features, and Land Features Find Options.</td>
<td>These options only display data from topographic maps and marine charts.</td>
<td>Load maps of this type using MapSource topographic and marine chart map data.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Find Feature Search Messages</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;Select Street Before Searching“</td>
<td>You have tapped the “Search” button before entering the name of the street for an address.</td>
<td>Enter a street name before beginning your search for an address.</td>
</tr>
<tr>
<td>&quot;Select Two Streets Before Searching“</td>
<td>You have entered none or only one street before searching for an intersection.</td>
<td>Enter both street names to complete the intersection description.</td>
</tr>
<tr>
<td>&quot;None Found”</td>
<td>This message appears when there is no data in the loaded maps matching the entry.</td>
<td>Try entering a variation of the item description.</td>
</tr>
</tbody>
</table>
Additional Information

MapSource® Cartography

You may want to purchase additional MapSource® map data CD’s with maps for another country, topographic maps or marine charts. Consult your Garmin Dealer or the Garmin website (www.garmin.com) for pricing and availability.

Additional MapSource map data sets can be purchased from your Garmin Dealer or on-line from Garmin. Consult your Garmin Dealer for MapSource maps compatible for use with the Garmin Que or visit the Garmin website at (www.garmin.com).

What is WAAS?

The Wide Area Augmentation System (WAAS) is an FAA funded service to improve the overall integrity of the GPS signal for users in North America. WAAS is just one service provider that adheres to the MOPS (Minimum Operational Performance Standard) for global Satellite Based Augmentation Systems (SBAS). Eventually there will be several services of worldwide geostationary communication satellites that broadcast integrity information and differential correction data as transmitted by ground reference stations.

At this time WAAS is still in the developmental stage with a goal of providing reliable signals with an accuracy of 7 meters (21-22 feet) both horizontally and vertically 95% of the time. Current tests have shown the actual accuracy to be on the order of 2-3 meters (7-10 feet). This accuracy is comparable to DGPS (as explained below), but without the need for a separate beacon receiver. Since all SBAS systems use the same receiver frequency, any SBAS system should be capable of providing your GPS unit with increased accuracy at any location in the world when others under development reach operational status.

In addition to satellites in orbit over the Earth, ground based reference stations must also be in place near the region you are located. Enabling WAAS in regions that are not supported by ground stations, which correct position data, typically, does not improve accuracy even when receiving signals from an SBAS satellite. In fact it can degrade the accuracy to less than that provided by GPS satellites alone. For this reason, your Garmin GPS receiver, when in the “WAAS Enabled” mode, uses the method that achieves the best accuracy. To enable/disable WAAS, refer to the General Settings tab of the System Setup Page of Garmin Que. For more information, go to http://gps.faa.gov/Programs/WAAS/waas.htm.
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Warnings and Precautions

**CAUTION:** Use Garmin Que™ at your own risk. To reduce the risk of unsafe operation, carefully review and understand all aspects of this Application Guide—and thoroughly practice operation using the simulator mode prior to actual use. When in actual use, carefully compare indications from Garmin Que™ to all available navigation sources, including the information from other NAVAIDs, visual sightings, charts, etc. For safety, always resolve any discrepancies before continuing navigation.

**CAUTION:** IT IS THE USER’S RESPONSIBILITY TO USE THIS PRODUCT PRUDENTLY. THIS PRODUCT IS INTENDED TO BE USED ONLY AS A NAVIGATIONAL AID AND MUST NOT BE USED FOR ANY PURPOSE REQUIRING PRECISE MEASUREMENT OF DIRECTION, DISTANCE, LOCATION OR TOPOGRAPHY. THIS PRODUCT SHOULD NOT BE USED AS AN AID TO DETERMINE GROUND PROXIMITY FOR AIRCRAFT NAVIGATION.

**CAUTION:** The electronic chart is an aid to navigation and is designed to facilitate the use of authorized government charts, not replace them. Only official government charts and notices to mariners contain all information needed for safe navigation – and, as always, the user is responsible for their prudent use.

**MAP DATA INFORMATION:** One of the goals of Garmin is to provide customers with the most complete and accurate cartography that is available to us at a reasonable cost. We use a combination of governmental and private data sources, which we identify as required in product literature and copyright messages displayed to the consumer. Virtually all data sources contain inaccurate or incomplete data to some degree. This is particularly true outside the United States, where complete and accurate digital data is either not available or prohibitively expensive.

**WARNING:** The Global Positioning System (GPS) is operated by the United States government, which is solely responsible for its accuracy and maintenance. The system is subject to changes which could affect the accuracy and performance of all GPS equipment. Although Garmin Que™ is a precision electronic NAVigation AID (NAVAID), any NAVAID can be misused or misinterpreted and, therefore, become unsafe.

**WARNING:** This product, its packaging, and its components contain chemicals known to the State of California to cause cancer, birth defects, or reproductive harm. This Notice is being provided in accordance with California’s Proposition 65. If you have any questions or would like additional information, please refer to our web site at http://www.garmin.com/prop65.
Important! Because Garmin Que can be used with a PDA for vehicular navigation, important safety considerations must be observed. Please read and observe the instructions on this page.

Safety Warnings and Cautions

**WARNING:** For use in vehicles, it is the sole responsibility of the owner/operator of a vehicle equipped with a PDA with Garmin Que™ installed, to place and secure the device so that it will not interfere with the vehicle operating controls and safety devices, obstruct the driver's view of driving conditions, or cause damage or personal injury in the event of an accident.

Do not mount the PDA over airbag panels or in the field of airbag deployment. Airbags expand with a rapid force that can propel objects in their path towards the vehicle driver or passengers causing possible injury. Refer to airbag safety precautions contained in the vehicle owner's manual.

Do not mount the PDA in a place where the driver or passengers are likely to impact it in a collision. The mounting hardware provided by Garmin is not warranted against collision damage or the consequences thereof.

**WARNING:** When used in vehicles, it is the sole responsibility of the driver of the vehicle to operate the vehicle in a safe manner, maintain full surveillance of all driving conditions at all times, and not become distracted by the PDA to the exclusion of safe driving practices. It is unsafe to operate the controls of the PDA while you are driving. Failure by the driver of a vehicle equipped with a PDA with Garmin Que installed to pay full attention to operation of the vehicle and road conditions while the vehicle is in motion could result in an accident with property damage and personal injury.
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